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# NOTICE OF ALLOWANCE AND FEE(S) DUE

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07/03/2007

FENWICK & WEST LLP SILICON VALLEY CENTER 801 CALIFORNIA STREET MOUNTAIN VIEW, CA 94041

EX	AMINER
СНС	DI, WOO H
ART UNIT	PAPER NUMBER
2180	

DATE MAILED: 07/03/2007

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/734 082	12/10/2003	Ramesh Varlagadda	23010 07460	7070	

TITLE OF INVENTION: HIGH BANDWIDTH MEMORY MANAGEMENT USING MULTI-BANK DRAM DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$700	\$0	\$0	\$700	10/03/2007

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

indicated unless correct maintenance fee notifica		nerwise in Block 1, by (a	a) specifying a new con	espondence address	; and/or	(b) indicating a sepa	rate "FE	E ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Fe pa	e(s) Transmittal, Th	is certifical paper,	can only be used for cate cannot be used if such as an assignment ing or transmission.	or any oth	her accompanying
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FENWICK & SILICON VALI 801 CALIFORN	LEY CENTER NA STREET		I l St ac tra	hereby certify that that the ates Postal Service	his Fee(s)	Transmittal is being icient postage for fire SSUE FEE address ) 273-2885, on the d	g deposite	ed with the United ail in an envelope or being facsimile ated below.
MOUNTAIN V	IEW, CA 94041							(Depositor's name)
		•			·			(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	)R	ATTOR	NEY DOCKET NO.	CONFI	RMATION NO.
10/734,082	12/10/2003		Ramesh Yarlagadda		2	23019-07460	<del></del>	7970
TITLE OF INVENTION	I: HIGH BANDWIDTH	MEMORY MANAGEM	ENT USING MULTI-BA	NK DRAM DEVI	CES			
	,							
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUI	PREV. PAID ISSU	IE FEE	TOTAL FEE(S) DUE	:	DATE DUE
nonprovisional	YES	\$700	\$0	\$0		\$700 .		10/03/2007
EXAM	INER	ART UNIT	CLASS-SUBCLASS					
CHOI,	WOO H	. 2189	711-105000					
1. Change of correspond CFR 1.363).	ence address or indicatio	n of "Fee Address" (37	2. For printing on the			1		
Change of corresp	ondence address (or Cha B/122) attached.	nge of Correspondence	(1) the names of up or agents OR, alterna		nt attorne	eys ———		
"Fee Address" ind	lication (or "Fee Address 22 or more recent) attach	" Indication form	(2) the name of a sin registered attorney o 2 registered patent at listed, no name will be	r agent) and the nan torneys or agents. If	nes of up	to		
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print or t	ype)				
PLEASE NOTE: Un	less an assignee is ident	ified below, no assignee pletion of this form is NO	data will appear on the	patent. If an assign	nee is ide	entified below, the d	ocument	has been filed for
(A) NAME OF ASSI	-	piction of this form is 140	(B) RESIDENCE: (CIT		COUNTI	RY)		
							•	
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	Individual C	orporatio	on or other private gro	oup entity	Government
4a. The following fee(s)	are submitted:	41	o. Payment of Fee(s): (Pl		ny previ	ously paid issue fee	shown at	ove)
Issue Fee	No small entity discount p		A check is enclosed  Payment by credit of		0 :			
	# of Copies		The Director is here	by authorized to cha	rge the re	equired fee(s), any de	ficiency,	or credit any
			overpayment, to De	posit Account Numb	er	(enclose a	n extra co	ppy of this form).
5. Change in Entity Sta	i <b>tus</b> (from status indicate is SMALL ENTITY stati	•	☐ b. Applicant is no lo	onger claiming SMA	LL ENT	ITY status. See 37 C	FR 1.27(£	<u>v</u> )(2).
		uired) will not be accepte tes Patent and Trademark						
interest as snown by the	records of the United Sta	ites Patent and Trademark	Office.					
Authorized Signature				Date				
Alexandria, Virginia 223	113-1430.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the NOT SEND FEES OR opersons are required to re						



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			2189 DATE MAILED: 07/03/200	7	

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 365 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 365 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.